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(DC-05355)

PATENT APPLICATION
10/692,397

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Previously Presented) A method for volume manager based redundant array of independent disks (RAID) creation, comprising:

monitoring input/output (I/O) operations between an information handling system volume manager and an information handling system disk driver;

intercepting I/O operations between the volume manager and the disk driver;

identifying a particular intercepted I/O operation from a requesting application;

if the particular intercepted I/O operation is identified as a write operation to a data portion of a disk RAID volume, returning a success status to the requesting application without forwarding the write operation for processing or caching the write operation, such that the write operation is neither completed nor written to disk; and

if the particular intercepted I/O operation is identified as an access to a non-data portion of the disk RAID volume, passing the non-data portion access I/O operation to the disk driver for processing.

2. (Original) The method of Claim 1, further comprising initializing creation of a parity based RAID.

3. (Original) The method of Claim 2, further comprising creating a RAID-5 parity based RAID.

4. (Previously Presented) An information handling system, comprising
at least one processor;
a memory operably associated with the processor;
at least three information storage devices operably coupled to the memory and the processor; and
a program of instructions storable in the memory and executable by the processor, the program of instructions operable to:
 - intercept input/output (I/O) operations during creation of a redundant array of independent disks (RAID) on the information storage devices;
 - process I/O operations directed to accessing RAID disk structures and I/O operations directed to accessing RAID configuration information by passing them to a disk driver for processing; and
 - filter I/O operations directed to accessing a data portion of the RAID, including for each write operation directed to the data portion of the RAID, returning a successful status to an application requesting the write operation without forwarding the write operation for processing or caching the write operation.
5. (Previously Presented) The information handling system of Claim 4, further comprising the program of instructions operable to intercept I/O operations between a volume manager and the disk driver of the information handling system.
6. (Original) The information handling system of Claim 5, further comprising the program of instructions operable to intercept all I/O operations between the volume manager and the disk driver during RAID creation.
7. (Original) The information handling system of Claim 4, further comprising the program of instructions operable to verify that the information storage devices have been zeroed.

8. (Previously Presented) The information handling system of Claim 4, further comprising the program of instructions operable to respond to read operations directed to the data portion by returning a zeroed buffer to an application requesting the read operation and not forwarding the read operation for processing.

9. (Cancelled)

10. (Previously Presented) The information handling system of Claim 4, further comprising the program of instructions operable for execution during creation of a parity-based RAID.

11. (Previously Presented) The information handling system of Claim 10, further comprising the program of instructions operable during creation of a RAID-5 parity-based RAID.

12. **(Currently Amended)** A tangible, non-volatile computer readable storage medium storing a program of instructions, the program of instructions implementing a method for redundant array of independent disks (RAID) creation, the program of instructions operable to cause an information handling system to:

monitor input/output (I/O) operations submitted for processing by an information handling system disk driver;

determine whether monitored I/O operations from a requesting application are associated with a data portion of the RAID or a non-data portion of the RAID;

filter I/O operations associated with a data portion of the RAID such that a signal is generated and returned to the requesting application and the I/O operations are neither forwarded for processing nor cached; and

not filter I/O operations associated with a data portion of the RAID such that I/O operations associated with a non-data portion of the RAID are forwarded to the disk driver for processing.

13. (Cancelled)

14. (Previously Presented) The computer readable medium of Claim 12, further comprising the program of instructions operable to return write operations associated with the data portion of the RAID with a good status to the requesting application and not forwarding the write operations for processing.

15. (Previously Presented) The computer readable medium of Claim 12, further comprising the program of instructions operable to return read operations of the data portion of the RAID with a predefined parity value to the requesting application and not forwarding the read operations for processing.

16. (Original) The computer readable medium of Claim 15, further comprising the program of instructions operable to return zero parity value.

17. (Previously Presented) The computer readable medium of Claim 12, further comprising the program of instructions operable to intercept all I/O operations between a volume manager and the disk driver of the information handling system.

18. (Original) The computer readable medium of Claim 12, further comprising the program of instructions operable to pass to the disk driver for processing, I/O operations associated with configuration of the RAID.

19. (Original) The computer readable medium of Claim 12, further comprising the program of instructions operable to pass to the disk driver for processing, I/O operations concerning RAID disk structures.

20. (Previously Presented) The computer readable medium of Claim 12, further comprising the program of instructions operable for execution during RAID-5 creation.

21.-22. (Cancelled)

23. (Previously Presented) The method of Claim 1, further comprising:
if the particular intercepted I/O operation is identified as a read operation from a data portion of a disk RAID volume, returning a buffer filled with zeroes to the requesting application and not forwarding the read operation for processing, such that the read operation is not completed.

24. (Previously Presented) The computer readable medium of Claim 12, further comprising the program of instructions operable to return read operations of the data portion of the RAID to the requesting application with a buffer filled with zeroes and not forwarding the write operations for processing.

25. (Cancelled)